

WHAT IS CLAIMED IS:

1. An electronic circuit, comprising:
 - a first circuit unit through which a first current having a first current level passes;
 - a capacitor element to store a quantity of electric charge corresponding to the first current level; and
 - a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,
 - at least one of the first circuit unit and the second circuit unit including unit elements connected in series or in parallel.
2. An electronic circuit, comprising:
 - a first circuit unit through which a first current having a first current level passes;
 - a capacitor element to store a quantity of electric charge corresponding to the first current level; and
 - a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,
 - the first circuit unit including a plurality of unit elements connected in parallel.
3. An electronic circuit, comprising:
 - a first circuit unit through which a first current having a first current level passes;
 - a capacitor element to store a quantity of electric charge corresponding to the first current level; and
 - a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,
 - the second circuit unit including a plurality of unit elements connected in series.
4. An electronic circuit, comprising:
 - a first circuit unit through which a first current having a first current level passes;

a capacitor element to store a quantity of electric charge corresponding to the first current level; and

a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,

the first circuit unit including a plurality of unit elements connected in parallel, and

the second circuit unit including a plurality of unit elements connected in series.

5. An electronic circuit, comprising:

a first circuit unit through which a first current having a first current level passes;

a capacitor element to store a quantity of electric charge corresponding to the first current level; and

a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,

at least one of the first circuit unit and the second circuit unit including a plurality of unit elements connected in series or in parallel, and

the electrical connections of the plurality of unit elements being controlled by a control element.

6. The electronic circuit according to Claim 1, at least one of the plurality of unit elements being a unit element common to the first circuit unit and the second circuit unit.

7. The electronic circuit according to Claim 1, the plurality of unit elements having the same driving capability.

8. The electronic circuit according to Claim 1, the plurality of unit elements being formed in a bundle.

9. The electronic circuit according to Claim 1, the first current level being higher than the second current level.

10. The electronic circuit according to Claim 1, the second current level being higher than the first current level.

11. The electronic circuit according to Claim 1, further comprising:

electronic elements supplied with the second current.

12. The electronic circuit according to Claim 11, the electronic elements being electro-optical elements or current-driven elements.

13. The electronic circuit according to Claim 12, the electronic elements being organic EL elements.

14. An electronic device provided with a first signal line, a second signal line, and a plurality of unit circuits, each of the plurality of unit circuits comprising:

a switching element connected to the first signal line, an on/off state of the switching element being controlled by switching signals supplied from the first signal line;

a first circuit unit connected to the second signal line, a first current having a first current level supplied from the second signal line passing through the first circuit unit by switching on the switching element;

a capacitor element to store a quantity of electric charge corresponding to the first current level; and

a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,

at least one of the first circuit unit and the second circuit unit including unit elements connected in series or in parallel.

15. An electronic device provided with a first signal line, a second signal line, and a plurality of unit circuits, each of the plurality of unit circuits comprising:

a switching element connected to the first signal line, an on/off state of the switching element being controlled by switching signals supplied from the first signal line;

a first circuit unit connected to the second signal line, a first current having a first current level supplied from the second signal line passing through the first circuit unit by switching on the switching element;

a capacitor element to store a quantity of electric charge corresponding to the first current level; and

a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,

the first circuit unit including a plurality of unit elements connected in parallel.

16. An electronic device provided with a first signal line, a second signal line, and a plurality of unit circuits, each of the plurality of unit circuits comprising:

a switching element connected to the first signal line, an on/off state of the switching element being controlled by switching signals supplied from the first signal line;

a first circuit unit connected to the second signal line, a first current having a first current level supplied from the second signal line passing through the first circuit unit by switching on the switching element;

a capacitor element to store a quantity of electric charge corresponding to the first current level; and

a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,

the second circuit unit including a plurality of unit elements connected in series.

17. An electronic device provided with a first signal line, a second signal line, and a plurality of unit circuits, each of the plurality of unit circuits comprising:

a switching element connected to the first signal line, an on/off state of the switching element being controlled by switching signals supplied from the first signal line;

a first circuit unit connected to the second signal line, a first current having a first current level supplied from the second signal line passing through the first circuit unit by switching on the switching element;

a capacitor element to store a quantity of electric charge corresponding to the first current level; and

a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,

the first circuit unit including a plurality of unit elements connected in parallel, and

the second circuit unit including a plurality of unit elements connected in series.

18. An electronic device provided with a first signal line, a second signal line, and a plurality of unit circuits, each of the plurality of unit circuits comprising:

a switching element connected to the first signal line, an on/off state of the switching element being controlled by switching signals supplied from the first signal line;

a first circuit unit connected to the second signal line, a first current having a first current level supplied from the second signal line passing through the first circuit unit by switching on the switching element;

a capacitor element to store a quantity of electric charge corresponding to the first current level; and

a second circuit unit to generate a second current having a second current level different from the first current level on the basis of the quantity of electric charge stored in the capacitor element,

at least one of the first circuit unit and the second circuit unit including unit elements connected in series or in parallel, and

the electrical connections of the plurality of unit elements being controlled by a control element.

19. The electronic device according to Claim 14, at least one of the plurality of unit elements being a unit element common to the first circuit unit and the second circuit unit.

20. The electronic device according to Claim 14, the plurality of unit elements having the same driving capability.

21. The electronic device according to Claim 14, the plurality of unit elements being formed in a bundle.

22. The electronic device according to Claim 14, the first current level being higher than the second current level.

23. The electronic device according to Claim 14, the second current level being higher than the first current level.

24. The electronic device according to Claim 14, further comprising:
electronic elements supplied with the second current.

25. The electronic device according to Claim 24, the electronic elements being electro-optical elements or current-driven elements.

26. The electronic device according to Claim 25, the electronic elements including organic EL elements.

27. An electronic apparatus having mounted therein the electronic circuit according to Claim 1.

28. An electronic apparatus having mounted therein the electronic device according to Claim 14